

Supplementary Figure 1 Perphenazine induces apoptosis in Ema cells.

Ema cells were treated with 20 μ M of perphenazine (PPZ) for 12 hr. Levels of active caspase 3 were determined by immunoblotting. Representative images and quantitative data from 3 independent experiments are shown. Cont: Control.

Supplementary Figure 2 Perphenazine induces dephosphorylation of Akt and ERK1/2.

Ema cells were treated with 10 μ M of perphenazine (PPZ) for indicated time period. Immunoblotting was performed using indicated antibodies to analyze the effect of PPZ on Akt and ERK1/2 phosphorylation. Representative images and quantitative data from 3 independent experiments are shown.

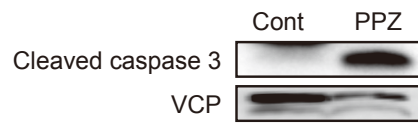
Supplementary Figure 3 Akt inhibitor induces cell death in Ema cells.

Ema cells were treated with indicated concentration of Akt inhibitor VIII (A), FR180204 (B), and U0126 (C) for 72 hr. Cell viability was assessed by Cell Counting Kit-8. N=4.

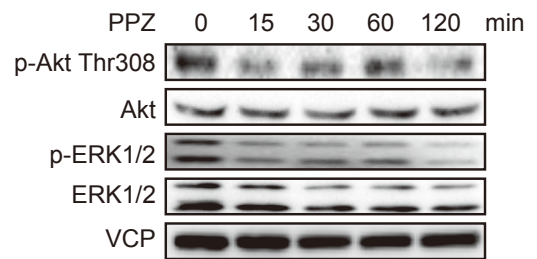
Supplementary Figure 4 Perphenazine increases PP2A activity

Ema cells were treated with 25 μ M of perphenazine (PPZ) for 15 min. PP2A activity was analyzed by using Active PP2A DuoSet IC kit. Cont: Control. N=4. *: P<0.05 vs. Cont.

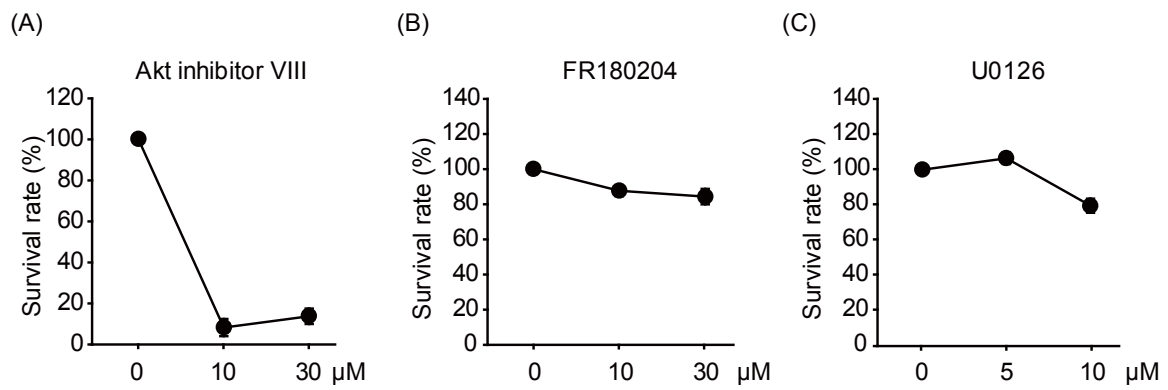
Supplementary Figure 1



Supplementary Figure 2



Supplementary Figure 3



Supplementary Figure 4

